

which, in the second free-fall section, the reaction gas flows on all sides; and that reaction gas is introduced inside and extracted outside the envelope, or is introduced outside and extracted inside the envelope.

29. The method according to claim 28, wherein the liquid comprises an acidic aluminum oxide sol or an acidic aluminum oxide suspension having a viscosity of 10 to 500 mp's that is passed through a vibrating nozzle plate so as to form the droplets.

30. The method according to claim 29, wherein the nozzle plate is vibrated at a frequency of 10 Hz to 20,000 Hz.

31. The method according to claim 29, wherein the nozzle plate comprises an annular nozzle plate having at least ten droplet nozzles.

32. The method according to claim 28, wherein the reaction liquid comprises aqueous ammonia solution.

33. The method according to claim 27, wherein the reaction gas comprises ammonia gas.

REMARKS

Favorable reconsideration is respectfully requested in view of the preceding amendments and the following representations.

The various rejections of claims 19-27 are rendered moot by cancellation of these claims.